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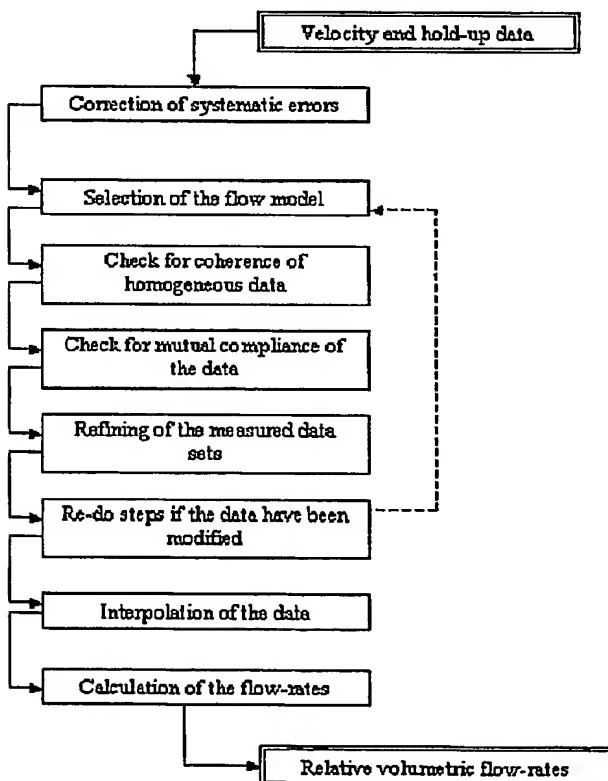
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(54) Title: METHOD FOR INTERPRETING DATA MEASURED IN A HYDROCARBON WELL IN PRODUCTION



(57) Abstract: The invention concerns a method for calculating the relative volumetric flow-rates of at least one of the phases of a multiphase effluent flowing in a well, said method comprising a first step of acquiring local volumetric fractions and/or velocities of said phases across a section of the well at a certain depth. The method further comprises: - corrections of said local volumetric fraction and/or velocity measurements in order to make them consistent with each other and/or with the effluent flow conditions; - selection of a suitable flow model mathematically representing the effluent flow; - interpolation of said local volumetric fraction measurements and/or said local velocity measurements by the selected flow model in order to obtain a volumetric fraction profile and/or a velocity profile for at least one phase of the effluent across said section of the well at said depth. - calculation of the relative volumetric flow-rates of said at least one phase by integration of said volumetric fraction and/or velocity profiles over said section of the well at said depth.

WO 2004/061268 A1



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